

TABLE OF CONTENTS

VOLUME 77 (EP), 1990

MAIN ARTICLES

The human fetal auditory evoked potential K. Staley, V. Iragui and M. Spitz (U.S.A.)	1
Human middle-latency auditory evoked potentials: vertex and temporal components A.T. Cacace, S. Satya-Murti and J.R. Wolpaw (U.S.A.)	6
Intra-ponto-mesencephalic recording of binaural interaction in human brain-stem auditory evoked potentials G. Curio and K. Weigel (F.R.G.)	19
Posterior cervical N13 in median nerve SEP has two components M. Sonoo, T. Shimpō, K. Genba, M. Kunimoto and T. Mannen (Japan)	28
Origin of scalp far-field N18 of SSEPs in response to median nerve stimulation E. Urasaki, S. Wada, C. Kadoya, A. Yokota, S. Matsuoka and F. Shima (Japan)	39
Cerebral evoked potentials after stimulation of the posterior urethra in man M.V. Hansen, Ç. Ertekin and L.-E. Larsson (Sweden)	52
Changes of somatosensory evoked potentials with increase of intracranial pressure in the rat's brain A. Witzmann (F.R.G.)	59
Amplitude and latency characteristics of spinal cord motor evoked potentials in the rat S.T. Dull, P.E. Konrad and W.A. Tacker, Jr. (U.S.A.)	68
Amplitude asymmetry of hemifield pattern reversal VEPs in healthy subjects Y. Abe and Y. Kuroiwa (Japan)	81
The effect of stimulus frequency on post- and pre-central short-latency somatosensory evoked potentials (SEPs) X. Delberghe, N. Mavroudakīs, D. Zegers de Beyl and E. Brunko (Belgium)	86
Presence of two subcomponents in P9 far-field potential following stimulation of the median nerve A. Yasuhara, T. Yamada, Y. Seki, T. Emori, P. Vachaitmanont, K. Andoh, M. Ando, M. Ross and J. Kimura (U.S.A.)	93
Somatosensory evoked potentials and magnetic resonance imaging in intraspinal neoplasms B. Jabbari, C. Geyer, M. Schlatter, B. Scherokman, M. Mitchell, J.W. McBurney, C. Elbrecht and C.H. Gunderson (U.S.A.)	101
Ontogenesis of lumbar spinal somatosensory evoked potentials after posterior tibial nerve stimulation in the rat P.J. Brunquell, G.W. Taylor, G.L. Holmes and D.S. Feldman (U.S.A.)	112
Chronic effects of phenytoin on brain-stem auditory evoked potentials in man Y.W. Chan, E. Woo and Y.L. Yu (Hong Kong)	119
Three-channel Lissajous' trajectories of auditory event-related potentials to target stimuli J. Attias and H. Pratt (Israel)	127
Median nerve somatosensory evoked potentials in profound hypothermia for ascending aorta repair J.M. Guérin, L. Soveges, P. Baele and R. Dion (Belgium)	163
The P300 event-related potentials in dementia of the Alzheimer type. Correlations between P300 and monoamine metabolites J. Ito, S. Yamao, H. Fukuda, Y. Mimori and S. Nakamura (Japan)	174
P300 assessment of early Alzheimer's disease J. Polich, C. Ladish and F.E. Bloom (U.S.A.)	179
Stationary pattern adaptation and the early components in human visual evoked potentials H.K. Hudnell, W.K. Boyes and D.A. Otto (U.S.A.)	190
Power spectrum and optimal filtering for visual evoked potentials to pattern reversal N.F. Skuse and D. Burke (Australia)	199
Optimal ('Wiener') digital filtering of auditory evoked potentials: use of coherence estimates R.A. Dobie and M.J. Wilson (U.S.A.)	205
Binaural interaction in the brain-stem auditory evoked potential: evidence for a delay line coincidence detection mechanism S.J. Jones and J.C. Van der Poel (U.K.)	214

Auditory evoked potentials from the primary auditory cortex of the cat: topographic and pharmacological studies R.T. Knight and S. Brailowsky (U.S.A.)	225
Emulation of somatosensory evoked potential (SEP) components with the 3-shell head model and the problem of 'ghost potential fields' when using an average reference in brain mapping J.E. Desmedt, V. Chalklin and C. Tomberg (Belgium)	243
Inadequacy of the average reference for the topographic mapping of focal enhancements of brain potentials C. Tomberg, P. Noël, I. Ozaki and J.E. Desmedt (Belgium)	259
Bit-mapped somatosensory evoked potentials and muscular reflex responses in man: comparative analysis in different experimental protocols P.M. Rossini, C. Paradiso, F. Zarola, R. Mariorenzi, R. Traversa, G. Martino and M.D. Caramia (Italy)	266
Somatosensory evoked potentials and magnetic resonance imaging in syringomyelia B. Jabbari, C. Geyer, C. Gunderson, A. Chu, J. Brophy, J.W. McBurney and B. Jonas (U.S.A.)	277
Wave form decomposition of 'giant SEP' and its computer model for scalp topography H. Shibasaki, M. Nakamura, S. Nishida, R. Kakigi and A. Ikeda (Japan)	286
Cross-correlation and latency compensation analysis of click-evoked and frequency-following brain-stem responses in man G.C. Galbraith and W.S. Brown (U.S.A.)	295
Brain-stem auditory evoked response: normative values in children J. Thivierge and R. Côté (Canada)	309
Visual evoked potentials in Alzheimer's disease: correlations with age and severity M.P. Philpot, D. Amin and R. Levy (U.K.)	323
Effects of chlorpromazine on pattern and flash ERGs and VEPs compared to oxazepam and to placebo in normal subjects P. Bartel, M. Blom, E. Robinson, C. Van der Meyden, D.K. Sommers and P. Becker (South Africa)	330
Abnormalities of parietal and prerolandic somatosensory evoked potentials in Huntington's disease G. Abbruzzese, D. Dall'Agata, M. Morena, L. Reni and E. Favale (Italy)	340
Correlation of tibial nerve SEPs with the development of seizures in patients with supratentorial cerebral infarcts T. Kovala, U. Tolonen and J. Pyhtinen (Finland)	347
Projection of thenar muscle afferents to frontal and parietal cortex of human subjects S.C. Gandevia and D. Burke (Australia)	353
Alcohol and the auditory brain-stem response, brain temperature, and blood alcohol curves: explanation of a paradox J.A. Lee, E.P. Schoener, D.W. Nielsen, A.R. Kelly, W.-N. Lin and R.F. Berman (U.S.A.)	362
Modulation of vibrissa-evoked cortical potentials after infraorbital nerve crush in rats Y. Shiraki and T. Satoh (Japan)	376
Motor potentials evoked by paired cortical stimuli M. Inghilleri, A. Berardelli, G. Cruccu, A. Priori and M. Manfredi (Italy)	382
A comparison of corticospinal activation by magnetic coil and electrical stimulation of monkey motor cortex V.E. Amassian, G.J. Quirk and M. Stewart (U.S.A.)	390
Somatosensory evoked potentials following tongue stimulation in normal subjects and patients with lesions of the afferent trigeminal system E. Altenmüller, C.P. Cornelius and U.W. Buettner (F.R.G.)	403
Effects of hypothermia on short latency somatosensory evoked potentials in humans O.N. Markand, C. Warren, G.S. Mallik, R.D. King, J.W. Brown and Y. Mahomed (U.S.A.)	416
Temperature-dependent hysteresis in somatosensory and auditory evoked potentials O.N. Markand, C. Warren, G.S. Mallik and C.J. Williams (U.S.A.)	425
Mismatch negativity (MMN) for sequences of auditory and visual stimuli: evidence for a mechanism specific to the auditory modality G. Nyman, K. Alho, P. Laurinen, P. Paavilainen, T. Radil, K. Reinikainen, M. Sams and R. Näätänen (Finland, Czechoslovakia)	436
Influence of click polarity on the brain-stem auditory evoked response (BAER) revisited D.M. Schwartz, M.D. Morris, J.D. Spydell, C. Ten Brink, M.A. Grim and J.A. Schwartz (U.S.A.)	445
Effects of stimulus repetition rate on ABR threshold, amplitude and latency in neonatal and adult Mongolian gerbils G.S. Donaldson and E.W. Rubel (U.S.A.)	458

SHORT COMMUNICATIONS

Neonatal auditory brain-stem response threshold and latency: 1 hour to 5 months C. Adelman, H. Levi, N. Linder and H. Sohmer (Israel)	77
Pudendal SEP and bulbocavernosus reflex in women D.B. Vodušek (Yugoslavia)	134

Preservation of evoked potentials in a case of anterior spinal artery syndrome M.H. Zornow, M.R. Grafe, C. Tybor and M.R. Swenson (U.S.A.)	137
Reappearance of brain-stem auditory evoked potentials after surgical treatment of a brain-stem hemorrhage: contributions to the question of wave generation G. Zanette, A. Carteri and S. Cusumano (Italy)	140
Short- and middle-latency auditory evoked potentials in abstinent chronic alcoholics: preliminary findings F. Díaz, F. Cadaveira and C. Grau (Spain)	145
Event-related brain potential of human newborns to pitch change of an acoustic stimulus K. Alho, K. Sainio, N. Sajaniemi, K. Reinikainen and R. Näätänen (Finland)	151
The estimation of time varying dipoles on the basis of evoked potentials J.C. De Munck (The Netherlands)	156
Spinal intramedullary recording of human somatosensory evoked potentials E. Urasaki, S. Wada, C. Kadoya, A. Yokata and S. Matsuoka (Japan)	233
Neuromagnetic evidence of a dynamic excitation pattern generating the N100 auditory response R.L. Rogers, A.C. Papanicolaou, S.B. Baumann, C. Saydjari and H.M. Eisenberg (U.S.A.)	237
Maps of somatosensory evoked potentials (SEPs) to mechanical (tapping) stimuli: comparison with P14, N20, P22, N30 of electrically elicited SEPs M. Onofrj, M. Basciani, T. Fulgente, S. Bazzano, G. Malatesta and L. Curatola (Italy)	314
Auditory brain-stem responses in the rat brain isolated from the body trunk and maintained via cross-circulation Y. Nishimura and T. Tonoue (Japan)	320

BOOK REVIEW

Evoked potentials in clinical medicine, 2nd edn. by K. Chiappa	402
<i>Report from the Editors</i>	161
<i>Announcement from the Publisher</i>	iii, 241
<i>Index of Authors to Volume 77 (1990)</i>	471
<i>Index of Subjects to Volume 77 (1990)</i>	475
<i>Table of Contents to Volume 77 (1990)</i>	480